

WHAT IS CLAIMED IS:

1. An organic electroluminescent display comprising:
an organic electroluminescent device, having a microcavity structure, for emitting light resonating in the microcavity structure;
a light-shielding layer having an opening through which a portion of the light emitted from the organic electroluminescent device passes; and
a light-gathering structure, disposed between the organic electroluminescent device and the light-shielding layer, for gathering the light emitted from the organic electroluminescent device.
2. The display according to Claim 1, wherein the light-gathering structure includes a lens having a focus, and the opening of the light-shielding layer is disposed in the vicinity of the focus of the lens.
3. The display according to Claim 1, wherein the light-shielding layer comprises a light-absorbing member for preventing external light transmitted from the outside from being reflected.
4. An organic electroluminescent display comprising:

an organic electroluminescent device array including a plurality of organic electroluminescent devices, each having a microcavity structure, for emitting light resonating in the microcavity structure;

a light-gathering layer including light-gathering structures, arranged so as to correspond to the organic electroluminescent devices, for gathering the light emitted from the organic electroluminescent devices; and

a light-shielding layer having openings through which a portion of the light emitted from the organic electroluminescent devices passes,

wherein the organic electroluminescent devices are arranged in a plane and the openings are arranged so as to correspond to the light-gathering structures.

5. The display according to Claim 4, wherein the light-gathering layer includes first and second transparent members having different refractive indexes with spherical faces disposed therebetween.

6. The display according to Claim 4, wherein the light-gathering layer includes a third transparent member having convex faces bulging toward the organic electroluminescent devices and a cavity portion disposed between the organic electroluminescent devices and the third

transparent member.

7. The display according to Claim 4, wherein the light-gathering structures of the light-gathering layer are arranged at a pitch smaller than or equal to a pitch at which the organic electroluminescent devices of the organic electroluminescent device array are arranged.

8. The display according to Claim 4, wherein each light-gathering structure includes a lens having a focus and each opening of the light-shielding layer is arranged in the vicinity of a focus.

9. The display according to Claim 4, wherein the openings are arranged such that light emitted in the direction perpendicular to a plane on which the organic electroluminescent devices are arranged passes through each opening.

10. The display according to Claim 4, wherein the openings have a size determined based on a wavelength of light emitted from the organic electroluminescent devices.

11. The display according to Claim 4, wherein the openings have a circular shape, a rectangular shape, or an

elliptic shape.

12. The display according to Claim 4, wherein the openings have a circular shape and a radius that is 0.7 to 3.0 times larger than that of a circle of least confusion.

13. The display according to Claim 4, wherein the light-shielding layer comprises a light-absorbing member for preventing external light transmitted from the outside from being reflected.

14. An apparatus comprising:
a controller for providing image information;
an organic electroluminescent device, having a microcavity structure, for emitting light resonating in the microcavity structure, based on the image information provided from the controller;
a light-shielding layer having an opening through which a portion of the light emitted from the organic electroluminescent device passes; and
a light-gathering structure, disposed between the organic electroluminescent device and the light-shielding layer, for gathering the light emitted from the organic electroluminescent device.

15. An apparatus comprising:

a controller for providing image information;

an organic electroluminescent device array including a plurality of organic electroluminescent devices, each having a microcavity structure, for emitting light resonating in the microcavity structure, based on the image information provided from the controller;

a light-gathering layer including light-gathering structures, arranged so as to correspond to the organic electroluminescent devices, for gathering the light emitted from the organic electroluminescent devices; and

a light-shielding layer having openings through which a portion of the light emitted from the organic electroluminescent devices passes,

wherein the organic electroluminescent devices are arranged on a plane and the openings are arranged so as to correspond to the light-gathering structures.